

Serial No. 10/721,295

Attorney Docket No. 03-039

LISTING OF CLAIMS:

1. (Currently amended) A printed board comprising:

a board;

a plurality of circuit components, which are installed in the board;

a wiring pattern, which electrically connects between the circuit components, the wiring pattern including at least one ground pattern;

an electric regulator for supplying a predetermined amount of electricity, the electric regulator being installed in the board;

a high frequency circuit, which is installed in the board and operated by the electricity, the high frequency circuit including a high frequency signal source and at least one mounting component;

an electrically insulative membrane installed on an area of the board where the high frequency circuit is installed, the electrically insulative membrane including at least one component hole pattern, which surrounds one of the high frequency signal source and the mounting component, and at least one connection hole pattern; and

an electrically conductive membrane installed on the electrically insulative membrane and ~~includes including the~~ a component hole pattern in a position corresponding to the at least one component hole pattern of the electrically insulative membrane to surround said one of the high frequency signal source and the mounting component, wherein the electrically conductive membrane is electrically connected with the ground pattern through the connection hole pattern.

2. (Original) A printed board according to claim 1 further comprising an electric pattern, through which the electricity is supplied to the high frequency signal source, wherein a portion of

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the electric pattern in the vicinity of the high frequency signal source is disposed between the high frequency signal source and the electrically conductive membrane so as to surround the high frequency signal source.

3. (Original) A printed board according to claim 1, wherein:

the high frequency signal source is a CPU; and

the high frequency circuit includes the CPU and at least one IC, which communicates data with the CPU.

4. (Original) A printed board according to claim 2, wherein:

the high frequency signal source is a CPU; and

the high frequency circuit includes the CPU and at least one IC, which communicates data with the CPU.

5. (Original) A meter unit for a vehicle comprising:

at least one meter housing;

an indicative portion for indicating driving information of the vehicle, the indicative portion being disposed in a manner that opposes a passenger in the vehicle; and

a printed board, which is installed inside the meter housing and includes a meter circuit for controlling a content indicated in the indicative portion correspondingly to an actual driving state of the vehicle, wherein the printed board is essentially composed of a printed board according to claim 1.

6. (Original) A meter unit for a vehicle comprising:

at least one meter housing;

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an indicative portion for indicating driving information of the vehicle, the indicative portion being disposed in a manner that opposes a passenger in the vehicle; and

a printed board, which is installed inside the meter housing and includes a meter circuit for controlling a content indicated in the indicative portion correspondingly to an actual driving state of the vehicle, wherein the printed board is essentially composed of a printed board according to claim 2.

7. (Original) A meter unit for a vehicle comprising:

at least one meter housing;

an indicative portion for indicating driving information of the vehicle, the indicative portion being disposed in a manner that opposes a passenger in the vehicle; and

a printed board, which is installed inside the meter housing and includes a meter circuit for controlling a content indicated in the indicative portion correspondingly to an actual driving state of the vehicle, wherein the printed board is essentially composed of a printed board according to claim 3.

8. (Original) A meter unit for a vehicle comprising:

at least one meter housing;

an indicative portion for indicating driving information of the vehicle, the indicative portion being disposed in a manner that opposes a passenger in the vehicle; and

a printed board, which is installed inside the meter housing and includes a meter circuit for controlling a content indicated in the indicative portion correspondingly to an actual driving state of the vehicle, wherein the printed board is essentially composed of a printed board according to claim 4.

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9. (Original) A meter unit according to claim 5, wherein:

the high frequency signal source is a CPU; and

the mounting component is one of a communicative IC, which communicates data multiply with the CPU and an external communicative network, and a parallel-serial conversion IC, which converts a parallel signal into a serial signal.

10. (Original) A meter unit according to claim 6, wherein:

the high frequency signal source is a CPU; and

the mounting component is one of a communicative IC, which communicates data multiply with the CPU and an external communicative network, and a parallel-serial conversion IC, which converts a parallel signal into a serial signal.

11. (Original) A meter unit according to claim 7, wherein:

the high frequency signal source is a CPU; and

the mounting component is one of a communicative IC, which communicates data multiply with the CPU and an external communicative network, and a parallel-serial conversion IC, which converts a parallel signal into a serial signal.

12. (Original) A meter unit according to claim 8, wherein:

the high frequency signal source is a CPU; and

the mounting component is one of a communicative IC, which communicates data multiply with the CPU and an external communicative network, and a parallel-serial conversion IC, which converts a parallel signal into a serial signal.

13. (Withdrawn) A printed board comprising:

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a board;

a plurality of circuit components, which are installed in the board;

a wiring pattern, which electrically connects between the circuit components, the wiring pattern including a plurality of ground patterns;

an electric regulator for supplying a predetermined amount of electricity, the electric regulator being installed in the board; and

a high frequency circuit, which is installed in the board and operated by the electricity, the high frequency circuit including a high frequency signal source and at least one mounting component, wherein the ground patterns include a loop-shaped closed ground pattern and a plurality of connective ground patterns, each of which is disposed inside the loop-shaped closed ground pattern and connects between two parts of the loop-shaped closed ground pattern.

14. (Withdrawn) A meter unit for a vehicle comprising:

at least one meter housing;

an indicative portion for indicating driving information of the vehicle, the indicative portion being disposed in a manner that opposes a passenger in the vehicle; and

a printed board, which is installed inside the meter housing and includes a meter circuit for controlling a content indicated in the indicative portion correspondingly to an actual driving state of the vehicle, wherein the printed board is essentially composed of a printed board according claim 13.

15. (Withdrawn) A meter unit according to claim 14 wherein:

the high frequency signal source is a CPU; and

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the mounting component is one of a communicative IC, which communicates data multiply with the CPU and an external communicative network, and a parallel-serial conversion IC, which converts a parallel signal into a serial signal.

16. (Withdrawn) A meter unit according to claim 14 further comprising an electric wave receiving device, which is disposed closely to the printed board in its vertical direction, wherein:

the connective ground patterns include a plurality of dense connective ground patterns, which are installed around an area of the printed board where the micro electric wave receiving device is installed more densely than the other area.

17. (Withdrawn) A meter unit according to claim 15 further comprising an electric wave receiving device, which is disposed closely to the printed board in its vertical direction, wherein: the connective ground patterns include a plurality of dense connective ground patterns, which are installed around an area of the printed board where the micro electric wave receiving device is installed more densely than the other area.

18. (New) The printed circuit board of claim 1, wherein the component hole pattern of the electrically conductive membrane is co-extensive with the corresponding at least one component hole pattern of the electrically insulative membrane.